MAGNAVOX
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42MD459B

42" class LCD HDTV with Built-in Blu-ray player

With its built-in Blu-ray player and onboard digital tuner, the 42MD459B enriches your viewing experiences, delivering ultra sharp widescreen HD picture, HD media connectivity, Dolby Digital sound and S/PDIF audio output.

- ***Built-in Blu-ray player enhances HD viewing experience***
- ***LCD Full HD display, 1920x1080p***
- ***Dynamic Contrast gives enriched color performance***
- ***Integrated tuner decodes digital ATSC and QAM signals***
- ***Multiple audio/video inputs (480i/p, 720p, 1080i, 1080p)***
- ***HDMI for digital High Definition connection***
- ***Dolby Digital for movies or concerts in full surround sound***
- ***HDMI input for use as a PC monitor***





Full HD 1080p
DOLBY DIGITAL
HDMI
ENERGY STAR
Blu-ray Disc
HDTV

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42MD459B/F7

42" class LCD HDTV with Built-in Blu-ray player

Product specifications

Picture/Display
- Aspect ratio: Widescreen
- Diagonal screen size: 42 inch / 106 cm
- Visible screen diagonal (inch): 42.02 inch
- Brightness: 500 cd/m²
- Dynamic screen contrast: 16000:1
- Contrast ratio (typical): 4000:1
- Panel resolution: 1920x1080p
- Picture enhancement: Clear Pix Plus Engine, 3/2 - 2/2 motion pull down, 3D Combfilter, Progressive scan, Digital Noise Reduction, Dynamic contrast enhancement
- Response time (typical): 6.5 ms
- Viewing angle: 176º (H) / 176º (V)

Supported Display Resolution

Resolution	Refresh rate
Computer formats	
640 x 480	60Hz
720 x 480	60Hz
800 x 600	60Hz
1024 x 768	60Hz
1280 x 768	60Hz
1360 x 768	60Hz
1440 x 900	60 Hz
Video formats	
480i	60Hz
480p	60Hz
720p	60Hz
1080i	60Hz
1080p	60Hz

Sound
- Sound System: Mono, Stereo, SAP, Dolby Digital (AC-3)
- Output power (RMS): 2 x 10W
- Sound Enhancement: Virtual Surround Sound

Loudspeakers
- Built-in speakers: 2

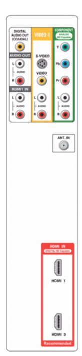
Convenience
- Ease of Installation: Autostore, PLL Digital Tuning, Plug & Play
- User convenience: Sleep Timer
- Ease of Use: Auto Volume Leveller (AVL), On Screen Display, Smart Picture, Smart Sound, Closed Captioning Full Text, Side Control
- Screen Format Adjustments: Widescreen, 4:3, Movie expand 14:9, Super Zoom, 16:9 subtitle
- Child Protection: Child Lock+Parental Control

Built-in Blu-ray
- Playback media: Audio CD, BD-R (single/dual layer), BD-RE (single/dual layer), CD-R, CD-RW, DVD+R, DVD+RW, DVD-R, DVD-RW, DVD-Video
- Audio compression format: Dolby Digital, PCM
- Video compression format: MPEG1, MPEG2, MPEG4
- Video disc playback system: NTSC

Tuner/Reception/Transmission
- Aerial Input: 75 ohm F-type
- Tuner bands: Hyperband, S-Channel, UHF, VHF
- TV system: ATSC, NTSC
- Cable: Unscrambled Digital Cable -QAM
- Video Playback: NTSC

Connectivity
- AV 1: Audio L/R in, YPbPr
- AV 2: Audio L/R in, CVBS in
- AV output: Audio (L/R) x1
- Audio Output - Digital: Coaxial (cinch)
- HDMI 1: Analog audio L/R in, HDMI v1.3
- HDMI 2: HDMI v1.3
- Front / Side connections: S-video in, CVBS in, Audio L/R in, HDMI v1.3, Headphone out
- HDMI-CEC: One touch play, Power status, System standby

Power
- Mains power: 120V/60Hz
- Power consumption: 282 W
- Standby power consumption: 0.5W



Built in Blu-ray player
Use the most out of your full HDTV. A multi-format Blu-ray player integrated into the LCD TV that makes it easy for movie lovers to enjoy Blu-ray video without the cost of purchasing and the hassle of hooking up a separate player. The integrated player is also compatible with DVD and CD formats.

LCD Full HD display 1920x1080p
This display has a resolution that is referred to as Full HD. With state-of-the-art LCD screen technology it has the full high-definition widescreen resolution of 1920 x 1080p. This is the highest resolution that HD broadcast can transmit. It allows the best possible picture quality from any format of HD input signal. It produces brilliant flicker-free progressive scan pictures with optimum brightness and superb colors. This vibrant and sharp image will provide you with an enhanced viewing experience.

Dynamic Contrast
Special picture processing technology dynamically and seamlessly delivers vibrant images in bright scenes or reproduces a deep blacks and accurate rendering of darker colors and shades in dark scenes. You get the ultimate LCD picture: stable and clear images with enriched color performance and excellent contrast.

Integrated HDTV tuner
A built-in digital tuner receives and decodes ATSC off-air and unscrambled cable signals directly, so you can view digital high-definition TV programming without an additional set-up box.

Multiple AV inputs plus 1080p
Multiple AV inputs are built-in connectors that accommodate all major video device signals: CVBS, S-video, component and HDMI (480i/p, 720p, 1080i and 1080p). Component and HDMI can even process the highest 1080p signal from any HD source including Blu-ray and HD DVD players, delivering maximum lines of resolution and the best image quality in the HDTV standard.

HDMI input
HDMI makes an uncompressed digital RGB connection from the source to the screen. By eliminating conversion to an analog signal, it delivers an unblemished image. The non-degraded signal reduces flicker and leads to a clearer picture. HDMI intelligently communicates the highest output resolution with the source device. The HDMI input is fully backward compatible with DVI sources but includes digital audio. HDMI uses HDCP copy protection.

Dolby Digital
Because Dolby Digital and DTS, the world's leading digital multi-channel audio standards, make use of the way the human ear naturally processes sound, you experience superb quality surround sound audio with realistic spatial cues.

PC input via HDMI
With PC input you can use your TV as a PC monitor via a HDMI-DVI cable/converter.

Date of issue 2010-03-31

Version: 1.10.3

12 NC: 8670 000 48477
UPC: 6 09585 17181 7

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Product specifications (continued)

- Ambient temperature: 5°C to 35°C (41°F to 95°F)

Dimensions
- Set dimensions in inch (W x H x D): 40.4 x 26.2 x 5.4 inch
- Set dimensions with stand in inch (W x H x D): 40.4 x 28.6 x 12.3 inch
- Box dimensions in inch (W x H x D): 46.3 x 32.6 x 10.7 inch
- Product weight (lb): 59.6
- Product weight (+stand) (lb): 61.8 lb
- Weight incl. Packaging (lb): 70.6
- VESA wall mount compatible: 200 x 200 mm

Accessories
- Included accessories: Power cord, User Manual, Quick start guide, Registration card, Remote Control, Batteries for remote control, Table top stand

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